



2821 B/ERW
PATENTS
Attorney Docket No. LT-140

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicant : Steven D. Roach

Application No. : 10/003,096 Confirmation No. : 5186

Filed : December 6, 2003

For : CIRCUITRY AND METHODS FOR IMPROVING
THE PERFORMANCE OF A LIGHT EMITTING
ELEMENT

Group Art Unit : 2821

Examiner : Jimmy Vu

New York, New York 10020
May 12, 2005

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, applicant
hereby makes the following references of record in the above-
identified patent application:

U.S. Patent Document

4,813,045

Culpepper

March 14, 1989

Foreign Patent Documents

JP 09-307169
JP 10-098451

Japan
Japan

November 28, 1997
April 14, 1998

The aforementioned references are listed on the accompanying Form PTO/SB/08A (submitted in duplicate) and copies of the foreign patent documents are enclosed herewith.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

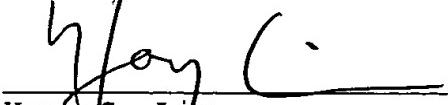
It is respectfully requested that this document be (1) fully considered by the United States Patent and Trademark Office during examination of this application; and (2) printed on any patent which may issue on this application. Applicant requests that a copy of Form PTO/SB/08A, as considered and initialed by the Examiner, be returned with the next communication.

Each item of information contained in this Fifth Supplemental Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement. In particular, these references were cited in the April 11, 2005 Preliminary Search Report in applicant's corresponding French Patent Application No. 02 15 367. A copy of that Search Report is enclosed herewith.

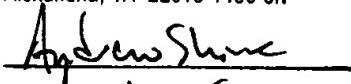
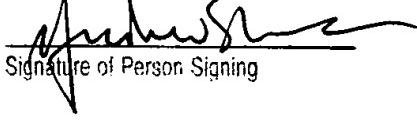
In accordance with 37 C.F.R. 1.97(d) (2), the Director is hereby authorized to charge \$180.00 to Deposit Account No. 06-1075, in payment of the fee set forth in 37 C.F.R. § 1.17(p) (Order No. 002447-0197). The Director is hereby authorized to charge payment of any additional fees required in connection with this Statement, or credit any overpayment of same to Deposit Account No. 06-1075 (Order No. 002447-0197). A duplicate copy of this letter is transmitted herewith.

Consideration of the foregoing in relation to this
patent application is respectfully requested.

Respectfully submitted,


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Signature of Person Signing



Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if known

Application Number	10/003,096
Filing Date	December 6, 2003
First Named Inventor	Steven D. Roach
Art Unit	2821
Examiner Name	Jimmy Vu
Attorney Docket Number	LT-140

U.S. PATENT DOCUMENTS

Examiner initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-4,813,045	03-14-1989	Culpepper	

FOREIGN PATENT DOCUMENTS

Examiner initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ¹ - Number ² - Kind Code ³				
		JP 09-307169	11-28-1997	Matsushita Elec.		
		JP 10-098451	04-14-1998	Matsushita Elec.		

NON PATENT LITERATURE DOCUMENTS

Examiner initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶

Examiner Signature	Date Considered
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.